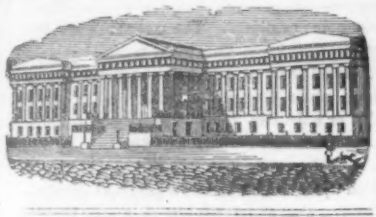

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EVAPORATING SALT—Wm. G. Clough, of Newark, N. J.: I do not claim the individual parts of the above described apparatus, but, I claim the apron H, chamber B, and escape flues F F', arranged and combined with the pan A A' A'', in the manner and for the purpose specified.

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Second, We claim the combination and arrangement of the segment gear O, pinion P, drum Q, and weights M and N, (or any equivalent mechanism,) for retaining and holding the wind-wheel always in proper position, substantially as set forth.

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SEWING MACHINES—A. F. Johnson, (assignor to himself and F. A. Houghton,) of Boston, Mass.: I do not claim the feed motion described, and that although eccentric shuttle throwers have been used before I cannot find that the pivoted swinging ellipse or a thrower has been so combined with a cam which operates it as to get a quicker motion of the shuttle when the cam operates near the point and is throwing the shuttle forward through the loop than when it is drawing it back.

I claim the combination of a swinging ellipse as a shuttle thrower hung on a pivot, with a cam on the driving or other rotating shaft, so operating with said swinging ellipse as that when the cam is bearing upon it near its pivot it shall move the shuttle faster or through a larger space in the same time than when it is bearing upon the other parts, for the several purposes set forth.

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GRAIN CLEANER AND SEPARATOR—Richard Ward of Edinburgh, Ind.: I claim the combination and arrangement of the curved board, q q, with the slide, R R the chaff conductor, S, and the slide, T T, substantially in the manner and for the purpose specified.

FARM GATE—Caleb Winegar, of Union Springs, N. Y. I claim my method of opening and closing gates by means of the ratchet drum, E, the weight, K, or an equivalent spring to draw back the said ratchet drum through an intervention of the chains and rods, B B, in the manner substantially as described.

Second, I claim my arrangement of wood and chain, N, connected with the spring catch for the purpose of detaching the latch, in the manner substantially as described.

BRACE—Daniel M. Baird, of Warrensville, N. Y. (assignor to Nathaniel Potter, Erie County, N. Y.): I claim, first, inserting the mandrel, B, in the chamber in the shank of the brace, this I claim in combination with the washer, F, set screw, G, and thumb piece, D, arranged in the manner described and for the purpose set forth.

Second, I claim the manner of attaching the head of the brace to the spindle, L, by means of the thumb nut o, and collar, N; this I claim in combination with the chamber that receives the collar and screw of the thumb nut, O, in the manner substantially as subscribed for the purpose specified.

BEDSTEAD—Elias Howe, Jr., of Brooklyn, N. Y.: I am aware that spring beds of various descriptions have heretofore been made, and I do not claim the use of springs for such a purpose; but I claim, a spring-bed constructed of a series of springs which overlie each other, all combined together and arranged in an inclined position upon a bed bottom, substantially as set forth.

AIR-HEATING FURNACES—John Liddle, of New-York City: I claim, first, the construction of the main body of the furnace, substantially as described—forming, by plates attached to the internal surface, a series of tubes around its circumference—so as to form the smoke flues without any vertical joints between the interior and exterior, and without the employment of cores in casting, as set forth.

AUTOMATIC ATTACHMENT TO GAS BURNERS—A. R. Marshall, of Stratford, Conn.: I claim, first, the combination with the thermostat p, and valve D, of the catch n, on the bar i, and the system of levers h H, for the locking and unlocking of the valve, in the manner and for the purposes specified.

Second, Combining with the locking-catch n, or its equivalent, which is acted upon the thermostat p, and the catch j, so arranged as to lock the valve open, until the catch n is set in operation by the action of the thermostat, and then to be moved out of the way by the catch n, substantially as described.

CURTAIN FIXTURES—Purches Miles, of Hartford, Conn.: I claim, the levers E E actuated by the coiled springs F F, in the manner and for the purpose substantially as set forth and described.

HAND CORN PLANTERS—Cornelius Marteall, of Albany, N. Y.: I claim, the combination of the staff A C, collar g, and spade A B, with reservoir a a b b; the whole being arranged and operated in the manner and for the purpose described.

CONDENSER FOR STEAM ENGINE—John T. Denniston, of Jones, N. Y.: I claim, first, forming a partial vacuum before the commencement of the eduction of the steam from the engine to the condenser, by first filling the condenser with water, and then partially withdrawing the water to form steam space, substantially as set forth.

Second, Suspending the water in the condenser, in a number of cups or cells v v, with perforated bottoms and passages w w, between them, thus causing the steam to circulate among and over and under the water, in the cups and through the shower of water falling through the condenser.

SELF-ADJUSTING FOG-BELL—Henry L. De Zeng, of Geneva, N. Y.: I claim, the attaching a float to a lever or arm that is connected near the other end to a fixed vertical shaft or axis in such a manner that said float shall be allowed to swing around said vertical shaft or axis, and accommodate itself in the direction in which the swell or current or both, are moving—so that said float is not subjected to any sideways concussion or strain from either the tide or swell, but is free to oscillate or vibrate with the swell, and communicate motion to any suitable bell or other alarm, substantially as specified.

Second I claim, attaching the ends of a chain or its equivalent, on opposite sides of a lever that receives a vibrating or oscillating motion from a swell, when said chain is passed over a cam wheel or other similar article to communicate the motion imparted to the lever and chain to the hammer of a bell or other signal of alarm, as described.

Third. I claim the arrangement of the cam g, and catch b, rotatively with the heel of the hammer and with the chain, substantially as specified, whereby the vibrating motion of the chain works the said hammer, as set forth.

CULTIVATOR—Harvey D. Gause, of Freehold, N. Y.: I claim, so constructing and arranging my cultivator, by means of the clevis x, the beams M and brace n, substantially as described, that, in combination with the seat W, the plows may be guided by the feet of the driver, in the manner set forth.

SEAMLESS HOSIERY—William Goddard, of New-York City: I claim, the process or method of manufacturing seamless hosiery of the form required for what is known as seamless tubular knitted fabrics, such as are knitted on machines that knit the tubes of a uniform diameter, and adding thereto the ribbed top, the heel, and the toe, by hand knitting, or any equivalent therefor, as described.

APPLYING ONE STREAM OF WATER TO RAISE ANOTHER—Chas. P. Ariail, of Roxbury, Conn.: I claim, the arrangement of raising water of two concentric annular channels, to which are affixed self-acting, rotating valves, attaching to one channel a syphon, through the suction of which and pressure of water following, the rotating valves are operated, constructed and arranged substantially as described.

LAYING OUT RAFTERS—Legrand Crofoot, of Syracuse, N. Y.: I claim, the combination of the adjustable expanding measure A B, with the adjustable bevels D and E, substantially as described, for the purpose specified.

Also, in combination with the above, the fixed square plates sliding on the bevels D and E, substantially as specified and for the purpose set forth.

HAY RAKE—Charles B. Carpenter, of St. Johnsbury, Vt.: I am aware that a rake has been constructed with a fixed head, (similar to the one which I employ,) into which spring steel teeth are inserted, and drawn by power applied to such fixed head; therefore, I do not claim such a rake-head, nor such spring teeth.

Neither do I claim such a rake-head, nor such spring teeth; neither do I claim the wheels or the handles by which said rake is guided, nor the arms K K, neither do I claim the tug (attached to such a fixed head,) of itself alone; but I claim, the slotted bed-plank A, the movable head B, the guide-rods C C, the catch F, and the connecting of the tugs D D, to the brackets B E, by the links n n, or their equivalent device or devices, arranged as described and for the purposes set forth.

MEASURING DISTANCES—Enoch A. Crandall, of Friendship, N. Y.: I claim, the combination of the stationary telescope B, the movable telescope C, with its index bar D, and index E, and the multiplying levers I J K, with their indexes i j k, and springs M and their respective scales e e' e o o' p p' and q q', all arranged as described and for the purpose set forth.

APPLE PARER—Charles B. Carter, of Ware, Mass.: I claim the disk H, with its cover L, and slicing knife c, operating in the manner and for the purpose substantially as set forth, viz.—the purpose of the said disk being to regulate the motion of the apple, as described by the pressure of the hand, without the necessity of any other screw: it being understood that I do not claim merely the use of a slicing knife for slicing the apple into a spiral, as that is not new.

GAUGE FOR STEAM BOILERS—Lucius Paige, of Cavendish, Vt.: I do not claim combining with the gauge A, a separate receiving chamber B, arranged between it and the boiler, and connected to both by pipes; but I claim, applying the said chamber B, or arranging it with respect to the gauge, so that it shall partially surround the same, and form a niche or recess H, to receive such gauge, and radtate heat upon it towards its axis, for the purpose specified; the said recess H being provided or not, as the case may require, with the curved cover or slider I, made to operate therewith, substantially as set forth.

I also claim, constructing the gauge in tubular sections of glass or other suitable transparent material, in combination with providing the same with a clamp frame or apparatus, and connection rings and cups, substantially as described.

BRICK MACHINES—Henry B. Ramsay, Indianapolis, Ind.: I claim, first, the wheel A, cranks G G, and catches m m, in combination with the springs s s, for the purpose of regulating the stroke of the knives K K, for cutting the clay at the top of the molds J, as described.

Second. I claim, the sliding mold-table T, for the purpose of raising the mold to the grate under the clay box, when the same is constructed, arranged and operated in the manner and for the purposes set forth.

AMALGAMATOR—Alva M. Stetson, of San Francisco, Cal.: I claim, the employment of the boxes a a a, placed in vertical succession, when said boxes are fitted with tubes or pipes b b b, as described, for containing the quicksilver and distributing the water, as set forth.

MANUFACTURE OF LEAD PIPE—John Robertson, of Brooklyn, N. Y.: I do not claim as my invention any part of the cylinder, nor of the dies, nor of the arrangement thereof in the cylinder, nor of the manner of adapting these to the hydraulic press, nor the mode of operation generally; all of which have been substantially described in the specifications of the patents of Thomas Burr, heretofore referred to.

But I claim, the construction and arrangement of the core i, with the guide h h, in combination with the piston c, for the purpose set forth.

BEDSTEADS—Jacob J. Smith & Jona. H. Pugh, of Philadelphia, Pa.: We claim, first, supporting the four main posts B B, of a bedstead, by screwing or otherwise inserting them so that they shall stand securely without connection with any rails, upon the base A; being held together at its corners by means of the tenons on the said posts—all substantially in the manner set forth and described.

Second. We also claim, adjusting the said platform or its equivalent, to any required inclination—as described by means of the left and right screw shaft G, blocks F F, inclined planes e e, disk H and plates K K, or their equivalents, as described.

FOUNTAIN PEN—Nelson B. Slayton, of Madison, Ind.: I claim, the fountain-pencil, consisting of a tube tapering to a point, and slit from said point some distance up two or more sides; said tube being connected with an ink-reservoir, which is closed except at its connection with said tube, and from which the ink is caused to flow through the said tube and down the slits thereof, and issue from the point thereof, when the said point is moved in contact with a surface of suitable character to receive an inscription in ink, substantially as described.

I also claim regulating the degree of fineness of the writing or marks produced, by means of a screw thread a, and cone b, on the exterior of the tube, and a nut d, carrying a conical cup d', fitted to the said screw thread and cone and acting in opposition to the elasticity of the nibs, g g of the tube—substantially as described.

MACHINERY FOR FILLING SEINE NEEDLES—Simon F. Stanton, of Manchester, N. H., (assignor to himself and I. M. Stanton, of same place): I claim, giving the needles a vibrating motion by devices such as described or their equivalents, in combination with the arm which delivers the twine, vibrated perpendicularly and traversed horizontally, by devices such as described or their equivalents, so as to deliver the twine across the score and around the tongue of the needle, substantially as described.

BILGE AND LEAKAGE WATER INDICATORS FOR VESSELS—Reuben Shaler, of Madison, Conn.: I claim, (in bilge and leakage indicators,) the sectional diaphragm spring C, as arranged in relation to the chamber A, and the standard D, for the purpose described.

APPLE PARERS—Marvin Smith, of New Haven, Conn.: I do not claim the combination in the same machine, as such, of knives of different kinds, and operating in different ways, for the purpose of paring and slicing apples; it having been done many years since.

But I claim, first, the construction of a machine for paring and slicing apples, in such a manner that a vibratory or oscillating motion may be given to the fork carrying the apple, simultaneously with the axial or rotating motion of the same, whereby I am enabled to use a paring knife that shall be automatic or self-acting in its operation, yet equally adapted to paring apples large or small.

Second. I claim the knife m, and handle G, hinged and operating in such a manner that the adjustment of the cutting edge of the knife to the entire surface of the apple, shall be coincident with the vibratory or oscillating motion of the fork carrying the apple.

Third. I claim the pawl H, or its equivalent, hinged at such a point with respect to the oscillating centre of the fork c, that as the said fork is moved in the direction of the hinge of said pawl, the point of contact between the fork c, and the pawl H, shall recede from the oscillating centre of said fork c.

DYNAMOMETER—George & J. W. Gibbs, of Canton, O.: We claim the register or pointed P P, which shows the average or mean draft, in combination with the slot R, and pin S, or its equivalent, which overcomes the vibrating motion of the pointer L, shown on the dial, substantially as set forth.

CUPPING—Loyall Gillotson, of Thompson, Ohio: I wish to be distinctly understood as not claiming the use of a cupping instrument, nor the employment of electricity for the reduction of disease in the human body, separately considered—the use of both, singly, having been long known to the medical profession.

But I claim, the within described apparatus, viz., the spiral wire G, disk H, and loop I, combined and attached to a cupping instrument for the purpose of employing electricity in conjunction with cupping, as an adjuvant for diseased parts of the human body, as set forth.

BALL CASTOR FOR TRUNKS AND FURNITURE—Judson Knight, of Newark, N. J.: I do not claim the separate parts of the castor as my invention. But I claim, the combination of the points a a', and the ball b, working in an open socket c, in the manner and for the purpose substantially as described.

LAMP—Peter C. Guion and Paul K. Wombaugh, (assignors to Paul K. Wombaugh,) of Cincinnati, O.: We claim the elastic bulb or receiver, f, surrounding and communicating at bottom with a hollow stem, b c d, which supports and opens into the bowl, in the described combination with the air duct, g, having an inwardly opening valve, h, affording the described means of communication from the external atmosphere to the upper part of the bulb, or equivalent devices, for the purposes explained.

RE-ISSUE.

BOMB LANCE FOR KILLING WHALES—Christopher C. Beand, of Norwich, Conn. Patented June 22d, 1852: I claim the mode of sustaining the fuse rope in the fuse tube and preventing the fire of the charge of the gun from passing by the fuse rope and into the bomb, viz. by metal or metallic plugs, or the equivalents thereof, cast around or made to closely encompass the fuse rope after it has been inserted in the fuse tube, as specified.

I do not claim the application of wings or feathers to a shaft or rod to direct its passage through the air.

But I claim so making or applying them to the shaft shank or to the body of the bomb, that not only may they be folded or moved down, so as to be capable of entering with the shaft the bore of the gun, but each have an elastic property or spring, such as will cause it to unfold or be thrown outwards, immediately after the projectile may be discharged from the gun, such wings being made of vulcanized india rubber, or any substance or substances which may be deemed an equivalent thereto, inasmuch as such may possess the requisites above specified.

ADDITIONAL IMPROVEMENT.

RAISING AND LOWERING CARRIAGE TOPS—Anson Quigley, of Sheldrake, N. Y. Patent dated April 22d, 1856: I claim the bore, B, pawl or catch, D, in combination.

DESIGNS.

SIX PLATE STOVES—N. S. Vedder and Ezra Ripley, of Troy, N. Y., (assignors to Sweetland & Little, of Crescent, N. Y.)

COOKING STOVES—N. S. Vedder & Wm. L. Sanderson of Troy, N. Y., (assignors to Sweetland & Little, of Crescent, N. Y.)

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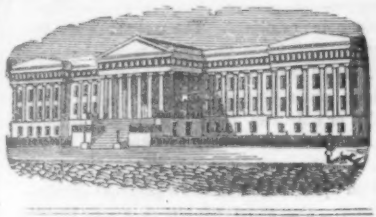

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POTATO DIGGER—Silas Woolson, of Moodna, N. Y.: I claim the employment of an open concave digger, arranged and combined with a movable standard, as and for the purpose set forth.

MILKING COWS—Wm. H. Whitman, of Bailey Hollow, Pa.: I claim placing the fingers, F, within a case, A, and at the sides of holes, b, in the case, the fingers being vibrated by means of the eccentric rollers, D D, and the elastic bars, G G, the whole being arranged substantially as shown for the purpose specified.

GRAIN CLEANER AND SEPARATOR—Richard Ward of Edinburgh, Ind.: I claim the combination and arrangement of the curved board, q q, with the slide, R R the chaff conductor, S, and the slide, T T, substantially in the manner and for the purpose specified.

FARM GATE—Caleb Winegar, of Union Springs, N. Y. I claim my method of opening and closing gates by means of the ratchet drum, E, the weight, K, or an equivalent spring to draw back the said ratchet drum through an intervention of the chains and rods, B B, in the manner substantially as described.

Second, I claim my arrangement of wood and chain, N, connected with the spring catch for the purpose of detaching the latch, in the manner substantially as described.

BRACE—Daniel M. Baird, of Warrensville, N. Y. (assignor to Nathaniel Potter, Erie County, N. Y.): I claim, first, inserting the mandrel, B, in the chamber in the shank of the brace, this I claim in combination with the washer, F, set screw, G, and thumb piece, D, arranged in the manner described and for the purpose set forth.

Second, I claim the manner of attaching the head of the brace to the spindle, L, by means of the thumb nut o, and collar, N; this I claim in combination with the chamber that receives the collar and screw of the thumb nut, O, in the manner substantially as subscribed for the purpose specified.

BEDSTEAD—Elias Howe, Jr., of Brooklyn, N. Y.: I am aware that spring beds of various descriptions have heretofore been made, and I do not claim the use of springs for such a purpose; but I claim, a spring-bed constructed of a series of springs which overlie each other, all combined together and arranged in an inclined position upon a bed bottom, substantially as set forth.

AIR-HEATING FURNACES—John Liddle, of New-York City: I claim, first, the construction of the main body of the furnace, substantially as described—forming, by plates attached to the internal surface, a series of tubes around its circumference—so as to form the smoke flues without any vertical joints between the interior and exterior, and without the employment of cores in casting, as set forth.

AUTOMATIC ATTACHMENT TO GAS BURNERS—A. R. Marshall, of Stratford, Conn.: I claim, first, the combination with the thermostat p, and valve D, of the catch n, on the bar i, and the system of levers h H, for the locking and unlocking of the valve, in the manner and for the purposes specified.

Second, Combining with the locking-catch n, or its equivalent, which is acted upon the thermostat p, and the catch j, so arranged as to lock the valve open, until the catch n is set in operation by the action of the thermostat, and then to be moved out of the way by the catch n, substantially as described.

CURTAIN FIXTURES—Purches Miles, of Hartford, Conn.: I claim, the levers E E actuated by the coiled springs F F, in the manner and for the purpose substantially as set forth and described.

HAND CORN PLANTERS—Cornelius Marteall, of Albany, N. Y.: I claim, the combination of the staff A C, collar g, and spade A B, with reservoir a a b b; the whole being arranged and operated in the manner and for the purpose described.

CONDENSER FOR STEAM ENGINE—John T. Denniston, of Jones, N. Y.: I claim, first, forming a partial vacuum before the commencement of the eduction of the steam from the engine to the condenser, by first filling the condenser with water, and then partially withdrawing the water to form steam space, substantially as set forth.

Second, Suspending the water in the condenser, in a number of cups or cells v v, with perforated bottoms and passages w w, between them, thus causing the steam to circulate among and over and under the water, in the cups and through the shower of water falling through the condenser.

SELF-ADJUSTING FOG-BELL—Henry L. De Zeng, of Geneva, N. Y.: I claim, the attaching a float to a lever or arm that is connected near the other end to a fixed vertical shaft or axis in such a manner that said float shall be allowed to swing around said vertical shaft or axis, and accommodate itself in the direction in which the swell or current or both, are moving—so that said float is not subjected to any sideways concussion or strain from either the tide or swell, but is free to oscillate or vibrate with the swell, and communicate motion to any suitable bell or other alarm, substantially as specified.

Second I claim, attaching the ends of a chain or its equivalent, on opposite sides of a lever that receives a vibrating or oscillating motion from a swell, when said chain is passed over a cam wheel or other similar article to communicate the motion imparted to the lever and chain to the hammer of a bell or other signal of alarm, as described.

Third. I claim the arrangement of the cam g, and catch b, rotatively with the heel of the hammer and with the chain, substantially as specified, whereby the vibrating motion of the chain works the said hammer, as set forth.

CULTIVATOR—Harvey D. Gause, of Freehold, N. Y.: I claim, so constructing and arranging my cultivator, by means of the clevis x, the beams M and brace n, substantially as described, that, in combination with the seat W, the plows may be guided by the feet of the driver, in the manner set forth.

SEAMLESS HOSIERY—William Goddard, of New-York City: I claim, the process or method of manufacturing seamless hosiery of the form required for what is known as seamless tubular knitted fabrics, such as are knitted on machines that knit the tubes of a uniform diameter, and adding thereto the ribbed top, the heel, and the toe, by hand knitting, or any equivalent therefor, as described.

APPLYING ONE STREAM OF WATER TO RAISE ANOTHER—Chas. P. Ariail, of Roxbury, Conn.: I claim, the arrangement of raising water of two concentric annular channels, to which are affixed self-acting, rotating valves, attaching to one channel a syphon, through the suction of which and pressure of water following, the rotating valves are operated, constructed and arranged substantially as described.

LAYING OUT RAFTERS—Legrand Crofoot, of Syracuse, N. Y.: I claim, the combination of the adjustable expanding measure A B, with the adjustable bevels D and E, substantially as described, for the purpose specified.

Also, in combination with the above, the fixed square plates sliding on the bevels D and E, substantially as specified and for the purpose set forth.

HAY RAKE—Charles B. Carpenter, of St. Johnsbury, Vt.: I am aware that a rake has been constructed with a fixed head, (similar to the one which I employ,) into which spring steel teeth are inserted, and drawn by power applied to such fixed head; therefore, I do not claim such a rake-head, nor such spring teeth.

Neither do I claim such a rake-head, nor such spring teeth; neither do I claim the wheels or the handles by which said rake is guided, nor the arms K K, neither do I claim the tug (attached to such a fixed head,) of itself alone; but I claim, the slotted bed-plank A, the movable head B, the guide-rods C C, the catch F, and the connecting of the tugs D D, to the brackets B E, by the links n n, or their equivalent device or devices, arranged as described and for the purposes set forth.

MEASURING DISTANCES—Enoch A. Crandall, of Friendship, N. Y.: I claim, the combination of the stationary telescope B, the movable telescope C, with its index bar D, and index E, and the multiplying levers I J K, with their indexes i j k, and springs M and their respective scales e e' e o o' p p' and q q', all arranged as described and for the purpose set forth.

APPLE PARER—Charles B. Carter, of Ware, Mass.: I claim the disk H, with its cover L, and slicing knife c, operating in the manner and for the purpose substantially as set forth, viz.—the purpose of the said disk being to regulate the motion of the apple, as described by the pressure of the hand, without the necessity of any other screw: it being understood that I do not claim merely the use of a slicing knife for slicing the apple into a spiral, as that is not new.

GAUGE FOR STEAM BOILERS—Lucius Paige, of Cavendish, Vt.: I do not claim combining with the gauge A, a separate receiving chamber B, arranged between it and the boiler, and connected to both by pipes; but I claim, applying the said chamber B, or arranging it with respect to the gauge, so that it shall partially surround the same, and form a niche or recess H, to receive such gauge, and radtate heat upon it towards its axis, for the purpose specified; the said recess H being provided or not, as the case may require, with the curved cover or slider I, made to operate therewith, substantially as set forth.

I also claim, constructing the gauge in tubular sections of glass or other suitable transparent material, in combination with providing the same with a clamp frame or apparatus, and connection rings and cups, substantially as described.

BRICK MACHINES—Henry B. Ramsay, Indianapolis, Ind.: I claim, first, the wheel A, cranks G G, and catches m m, in combination with the springs s s, for the purpose of regulating the stroke of the knives K K, for cutting the clay at the top of the molds J, as described.

Second. I claim, the sliding mold-table T, for the purpose of raising the mold to the grate under the clay box, when the same is constructed, arranged and operated in the manner and for the purposes set forth.

AMALGAMATOR—Alva M. Stetson, of San Francisco, Cal.: I claim, the employment of the boxes a a a, placed in vertical succession, when said boxes are fitted with tubes or pipes b b b, as described, for containing the quicksilver and distributing the water, as set forth.

MANUFACTURE OF LEAD PIPE—John Robertson, of Brooklyn, N. Y.: I do not claim as my invention any part of the cylinder, nor of the dies, nor of the arrangement thereof in the cylinder, nor of the manner of adapting these to the hydraulic press, nor the mode of operation generally; all of which have been substantially described in the specifications of the patents of Thomas Burr, heretofore referred to.

But I claim, the construction and arrangement of the core i, with the guide h h, in combination with the piston c, for the purpose set forth.

BEDSTEADS—Jacob J. Smith & Jona. H. Pugh, of Philadelphia, Pa.: We claim, first, supporting the four main posts B B, of a bedstead, by screwing or otherwise inserting them so that they shall stand securely without connection with any rails, upon the base A; being held together at its corners by means of the tenons on the said posts—all substantially in the manner set forth and described.

Second. We also claim, adjusting the said platform or its equivalent, to any required inclination—as described by means of the left and right screw shaft G, blocks F F, inclined planes e e, disk H and plates K K, or their equivalents, as described.

FOUNTAIN PEN—Nelson B. Slayton, of Madison, Ind.: I claim, the fountain-pencil, consisting of a tube tapering to a point, and slit from said point some distance up two or more sides; said tube being connected with an ink-reservoir, which is closed except at its connection with said tube, and from which the ink is caused to flow through the said tube and down the slits thereof, and issue from the point thereof, when the said point is moved in contact with a surface of suitable character to receive an inscription in ink, substantially as described.

I also claim regulating the degree of fineness of the writing or marks produced, by means of a screw thread a, and cone b, on the exterior of the tube, and a nut d, carrying a conical cup d', fitted to the said screw thread and cone and acting in opposition to the elasticity of the nibs, g g of the tube—substantially as described.

MACHINERY FOR FILLING SEINE NEEDLES—Simon F. Stanton, of Manchester, N. H., (assignor to himself and I. M. Stanton, of same place): I claim, giving the needles a vibrating motion by devices such as described or their equivalents, in combination with the arm which delivers the twine, vibrated perpendicularly and traversed horizontally, by devices such as described or their equivalents, so as to deliver the twine across the score and around the tongue of the needle, substantially as described.

BILGE AND LEAKAGE WATER INDICATORS FOR VESSELS—Reuben Shaler, of Madison, Conn.: I claim, (in bilge and leakage indicators,) the sectional diaphragm spring C, as arranged in relation to the chamber A, and the standard D, for the purpose described.

APPLE PARERS—Marvin Smith, of New Haven, Conn.: I do not claim the combination in the same machine, as such, of knives of different kinds, and operating in different ways, for the purpose of paring and slicing apples; it having been done many years since.

But I claim, first, the construction of a machine for paring and slicing apples, in such a manner that a vibratory or oscillating motion may be given to the fork carrying the apple, simultaneously with the axial or rotating motion of the same, whereby I am enabled to use a paring knife that shall be automatic or self-acting in its operation, yet equally adapted to paring apples large or small.

Second. I claim the knife m, and handle G, hinged and operating in such a manner that the adjustment of the cutting edge of the knife to the entire surface of the apple, shall be coincident with the vibratory or oscillating motion of the fork carrying the apple.

Third. I claim the pawl H, or its equivalent, hinged at such a point with respect to the oscillating centre of the fork c, that as the said fork is moved in the direction of the hinge of said pawl, the point of contact between the fork c, and the pawl H, shall recede from the oscillating centre of said fork c.

DYNAMOMETER—George & J. W. Gibbs, of Canton, O.: We claim the register or pointed P P, which shows the average or mean draft, in combination with the slot R, and pin S, or its equivalent, which overcomes the vibrating motion of the pointer L, shown on the dial, substantially as set forth.

CUPPING—Loyall Gillotson, of Thompson, Ohio: I wish to be distinctly understood as not claiming the use of a cupping instrument, nor the employment of electricity for the reduction of disease in the human body, separately considered—the use of both, singly, having been long known to the medical profession.

But I claim, the within described apparatus, viz., the spiral wire G, disk H, and loop I, combined and attached to a cupping instrument for the purpose of employing electricity in conjunction with cupping, as an adjuvant for diseased parts of the human body, as set forth.

BALL CASTOR FOR TRUNKS AND FURNITURE—Judson Knight, of Newark, N. J.: I do not claim the separate parts of the castor as my invention. But I claim, the combination of the points a a', and the ball b, working in an open socket c, in the manner and for the purpose substantially as described.

LAMP—Peter C. Guion and Paul K. Wombaugh, (assignors to Paul K. Wombaugh,) of Cincinnati, O.: We claim the elastic bulb or receiver, f, surrounding and communicating at bottom with a hollow stem, b c d, which supports and opens into the bowl, in the described combination with the air duct, g, having an inwardly opening valve, h, affording the described means of communication from the external atmosphere to the upper part of the bulb, or equivalent devices, for the purposes explained.

RE-ISSUE.

BOMB LANCE FOR KILLING WHALES—Christopher C. Beand, of Norwich, Conn. Patented June 22d, 1852: I claim the mode of sustaining the fuse rope in the fuse tube and preventing the fire of the charge of the gun from passing by the fuse rope and into the bomb, viz. by metal or metallic plugs, or the equivalents thereof, cast around or made to closely encompass the fuse rope after it has been inserted in the fuse tube, as specified.

I do not claim the application of wings or feathers to a shaft or rod to direct its passage through the air.

But I claim so making or applying them to the shaft shank or to the body of the bomb, that not only may they be folded or moved down, so as to be capable of entering with the shaft the bore of the gun, but each have an elastic property or spring, such as will cause it to unfold or be thrown outwards, immediately after the projectile may be discharged from the gun, such wings being made of vulcanized india rubber, or any substance or substances which may be deemed an equivalent thereto, inasmuch as such may possess the requisites above specified.

ADDITIONAL IMPROVEMENT.

RAISING AND LOWERING CARRIAGE TOPS—Anson Quigley, of Sheldrake, N. Y. Patent dated April 22d, 1856: I claim the bore, B, pawl or catch, D, in combination.

DESIGNS.

SIX PLATE STOVES—N. S. Vedder and Ezra Ripley, of Troy, N. Y., (assignors to Sweetland & Little, of Crescent, N. Y.)

COOKING STOVES—N. S. Vedder & Wm. L. Sanderson of Troy, N. Y., (assignors to Sweetland & Little, of Crescent, N. Y.)

COOKING STOVES—N. S. Vedder & Wm. L. Sanderson, of Troy, N. Y., (assignors to Sweetland & Little, of Crescent, N. Y.)

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